

## SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

LAL, Preeti  
HILLMAN, Jennifer L.  
GORGONE, Gina  
CORLEY, Neil C.  
PATTERSON, Chandra  
YUE, Henry  
TANG, Y. Tom  
AZIMZAI, Yalda

<120> HUMAN SOCS PROTEINS

<130> PF-0525 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/087,104; 09/216,006

<151> 1998-05-28; 1998-12-17

<160> 18

<170> PERL Program

<210> 1

<211> 288

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte clone 1758450

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Tyr	Ser	Leu	Ser	Glu	Arg	Leu	Ile	Arg	Thr	Ile	Ala	Ala	Ile	Arg	30
				20					25						
Ser	Phe	Pro	His	Asp	Asn	Val	Glu	Asp	Leu	Ile	Arg	Gly	Gly	Ala	45
				35					40						
Asp	Val	Asn	Cys	Thr	His	Gly	Thr	Leu	Lys	Pro	Leu	His	Cys	Ala	60
				50					55						
Cys	Met	Val	Ser	Asp	Ala	Asp	Cys	Val	Glu	Leu	Leu	Leu	Glu	Lys	75
				65					70						
Gly	Ala	Glu	Val	Asn	Ala	Leu	Asp	Gly	Tyr	Asn	Arg	Thr	Ala	Leu	90
				80					85						
His	Tyr	Ala	Ala	Glu	Lys	Asp	Glu	Ala	Cys	Val	Glu	Val	Leu	Leu	105
				95					100						
Glu	Tyr	Gly	Ala	Asn	Pro	Asn	Ala	Leu	Asp	Gly	Asn	Arg	Asp	Thr	120
				110					115						
Pro	Leu	His	Trp	Ala	Ala	Phe	Lys	Asn	Asn	Ala	Glu	Cys	Val	Arg	135
				125					130						
Ala	Leu	Leu	Glu	Ser	Gly	Ala	Ser	Val	Asn	Ala	Leu	Asp	Tyr	Asn	150
				140					145						

Asn Asp Thr Pro Leu Ser Trp Ala Ala Met Lys Gly Asn Leu Glu  
 155 160 165  
 Ser Val Ser Ile Leu Leu Asp Tyr Gly Ala Glu Val Arg Val Ile  
 170 175 180  
 Asn Leu Ile Gly Gln Thr Pro Ile Ser Arg Leu Val Ala Leu Leu  
 185 190 195  
 Val Arg Gly Leu Gly Thr Glu Lys Glu Asp Ser Cys Phe Glu Leu  
 200 205 210  
 Leu His Arg Ala Val Gly His Phe Glu Leu Arg Lys Asn Gly Thr  
 215 220 225  
 Met Pro Arg Glu Val Ala Arg Asp Pro Gln Leu Cys Glu Lys Leu  
 230 235 240  
 Thr Val Leu Cys Ser Ala Pro Gly Thr Leu Lys Thr Leu Ala Arg  
 245 250 255  
 Tyr Ala Val Arg Arg Ser Leu Gly Leu Gln Tyr Leu Pro Asp Ala  
 260 265 270  
 Val Lys Gly Leu Pro Leu Pro Ala Ser Leu Lys Glu Tyr Leu Leu  
 275 280 285  
 Leu Leu Glu

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 <213> Homo sapiens

<220>  
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 <223> Incyte clone 1834242

<400> 2  
 Met Lys Leu Thr Pro Arg Thr Ala Gly Arg Ala Trp Ala Gln Ser  
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 Arg Lys Gly Lys Arg Ser Ser Trp Gly Thr Ala Ala Val Ala  
 20 25 30  
 Glu Leu Lys Pro Gly Arg Pro His Gln Phe Asp Trp Lys Ser Ser  
 35 40 45  
 Cys Glu Thr Trp Ser Val Ala Phe Ser Pro Asp Gly Ser Trp Phe  
 50 55 60  
 Ala Trp Ser Gln Gly His Cys Ile Val Lys Leu Ile Pro Trp Pro  
 65 70 75  
 Leu Glu Glu Gln Phe Ile Pro Lys Gly Phe Glu Ala Lys Ser Arg  
 80 85 90  
 Ser Ser Lys Asn Glu Thr Lys Gly Arg Gly Ser Pro Lys Glu Lys  
 95 100 105  
 Thr Leu Asp Cys Gly Gln Ile Val Trp Gly Leu Ala Phe Ser Pro  
 110 115 120  
 Trp Pro Ser Pro Pro Ser Arg Lys Leu Trp Ala Arg His His Pro  
 125 130 135  
 Gln Val Pro Asp Val Ser Cys Leu Val Leu Ala Thr Gly Leu Asn  
 140 145 150  
 Asp Gly Gln Ile Lys Ile Trp Glu Val Gln Thr Gly Leu Leu Leu  
 155 160 165  
 Leu Asn Leu Ser Gly His Gln Asp Val Val Arg Asp Leu Ser Phe  
 170 175 180

Thr Pro Ser Gly Ser Leu Ile Leu Val Ser Ala Ser Arg Asp Lys  
 185 190 195  
 Thr Leu Arg Ile Trp Asp Leu Asn Lys His Gly Lys Gln Ile Gln  
 200 205 210  
 Val Leu Ser Gly His Leu Gln Trp Val Tyr Cys Cys Ser Ile Ser  
 215 220 225  
 Pro Asp Cys Ser Met Leu Cys Ser Ala Ala Gly Glu Lys Ser Val  
 230 235 240  
 Phe Leu Trp Ser Met Arg Ser Tyr Thr Leu Ile Arg Lys Leu Glu  
 245 250 255  
 Gly His Gln Ser Ser Val Val Ser Cys Asp Phe Ser Pro Asp Ser  
 260 265 270  
 Ala Leu Leu Val Thr Ala Ser Tyr Asp Thr Asn Val Ile Met Trp  
 275 280 285  
 Asp Pro Tyr Thr Gly Glu Arg Leu Arg Ser Leu His His Thr Gln  
 290 295 300  
 Val Asp Pro Ala Met Asp Asp Ser Asp Val His Ile Ser Ser Leu  
 305 310 315  
 Arg Ser Val Cys Phe Ser Pro Glu Gly Leu Tyr Leu Ala Thr Val  
 320 325 330  
 Ala Asp Asp Arg Leu Leu Arg Ile Trp Ala Leu Glu Leu Lys Thr  
 335 340 345  
 Pro Ile Ala Phe Ala Pro Met Thr Asn Gly Leu Cys Cys Thr Phe  
 350 355 360  
 Phe Pro His Gly Gly Val Ile Ala Thr Gly Thr Arg Asp Gly His  
 365 370 375  
 Val Gln Phe Trp Thr Ala Pro Arg Val Leu Ser Ser Leu Lys His  
 380 385 390  
 Leu Cys Arg Lys Ala Leu Arg Ser Phe Leu Thr Thr Tyr Gln Val  
 395 400 405  
 Leu Ala Leu Pro Ile Pro Lys Lys Met Lys Glu Phe Leu Thr Tyr  
 410 415 420  
 Arg Thr Phe

<210> 3  
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 <213> Homo sapiens

<220>  
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 <223> Incyte clone 1849725

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 Pro Ala Leu Leu Glu Ser Pro Arg Pro Glu Gly Gly Glu Glu Pro  
 20 25 30  
 Pro Arg Pro Ser Pro Glu Glu Thr Gln Gln Cys Lys Phe Asp Gly  
 35 40 45  
 Gln Glu Thr Lys Gly Ser Lys Phe Ile Thr Ser Ser Ala Ser Asp  
 50 55 60  
 Phe Ser Asp Pro Val Tyr Lys Glu Ile Ala Ile Thr Asn Gly Cys  
 65 70 75  
 Ile Asn Arg Met Ser Lys Glu Glu Leu Arg Ala Lys Leu Ser Glu

80 85 90  
 Phe Lys Leu Glu Thr Arg Gly Val Lys Asp Val Leu Lys Lys Arg  
 95 100 105  
 Leu Lys Asn Tyr Tyr Lys Lys Gln Lys Leu Met Leu Lys Glu Ser  
 110 115 120  
 Asn Phe Ala Asp Ser Tyr Tyr Asp Tyr Ile Cys Ile Ile Asp Phe  
 125 130 135  
 Glu Ala Thr Cys Glu Glu Gly Asn Pro Pro Glu Phe Val His Glu  
 140 145 150  
 Ile Ile Glu Phe Pro Val Val Leu Leu Asn Thr His Thr Leu Glu  
 155 160 165  
 Ile Glu Asp Thr Phe Gln Gln Tyr Val Arg Pro Glu Ile Asn Thr  
 170 175 180  
 Gln Leu Ser Asp Phe Cys Ile Ser Leu Thr Gly Ile Thr Gln Asp  
 185 190 195  
 Gln Val Asp Arg Ala Asp Thr Phe Pro Gln Val Leu Lys Lys Val  
 200 205 210  
 Ile Asp Trp Met Lys Leu Lys Glu Leu Gly Thr Lys Tyr Lys Tyr  
 215 220 225  
 Ser Leu Leu Thr Asp Gly Ser Trp Asp Met Ser Lys Phe Leu Asn  
 230 235 240  
 Ile Gln Cys Gln Leu Ser Arg Leu Lys Tyr Pro Pro Phe Ala Lys  
 245 250 255  
 Lys Trp Ile Asn Ile Arg Lys Ser Tyr Gly Asn Phe Tyr Lys Val  
 260 265 270  
 Pro Arg Ser Gln Thr Lys Leu Thr Ile Met Leu Glu Lys Leu Gly  
 275 280 285  
 Met Asp Tyr Asp Gly Arg Pro His Cys Gly Leu Asp Asp Ser Lys  
 290 295 300  
 Asn Ile Ala Arg Ile Ala Val Arg Met Leu Gln Asp Gly Cys Glu  
 305 310 315  
 Leu Arg Ile Asn Glu Lys Met His Ala Gly Gln Leu Met Ser Val  
 320 325 330  
 Ser Ser Ser Leu Pro Ile Glu Gly Thr Pro Pro Pro Gln Met Pro  
 335 340 345  
 His Phe Arg Lys

&lt;210&gt; 4

&lt;211&gt; 355

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2547840

&lt;400&gt; 4

Met Ala Arg Arg Pro Arg Asn Ser Arg Ala Trp His Phe Val Leu  
 1 5 10 15  
 Ser Ala Ala Arg Arg Asp Ala Asp Ala Arg Ala Val Ala Leu Ala  
 20 25 30  
 Gly Ser Thr Asn Trp Gly Tyr Asp Ser Asp Gly Gln His Ser Asp  
 35 40 45  
 Ser Asp Ser Asp Pro Glu Tyr Ser Thr Leu Pro Pro Ser Ile Pro

50 55 60  
 Ser Ala Val Pro Val Thr Gly Glu Ser Phe Cys Asp Cys Ala Gly  
 65 70 75  
 Gln Ser Glu Ala Ser Phe Cys Ser Ser Leu His Ser Ala His Arg  
 80 85 90  
 Gly Arg Asp Cys Arg Cys Gly Glu Glu Asp Glu Tyr Phe Asp Trp  
 95 100 105  
 Val Trp Asp Asp Leu Asn Lys Ser Ser Ala Thr Leu Leu Ser Cys  
 110 115 120  
 Asp Asn Arg Lys Val Ser Phe His Met Glu Tyr Ser Cys Gly Thr  
 125 130 135  
 Ala Ala Ile Arg Gly Thr Lys Glu Leu Gly Glu Gly Gln His Phe  
 140 145 150  
 Trp Glu Ile Lys Met Thr Ser Pro Val Tyr Gly Thr Asp Met Met  
 155 160 165  
 Val Gly Ile Gly Thr Ser Asp Val Asp Leu Asp Lys Tyr Arg His  
 170 175 180  
 Thr Phe Cys Ser Leu Leu Gly Arg Asp Glu Asp Ser Trp Gly Leu  
 185 190 195  
 Ser Tyr Thr Gly Leu Leu His His Lys Gly Asp Lys Thr Ser Phe  
 200 205 210  
 Ser Ser Arg Phe Gly Gln Gly Ser Ile Ile Gly Val His Leu Asp  
 215 220 225  
 Thr Trp His Gly Thr Leu Thr Phe Phe Lys Asn Arg Lys Cys Ile  
 230 235 240  
 Gly Val Ala Ala Thr Lys Leu Gln Asn Lys Arg Phe Tyr Pro Met  
 245 250 255  
 Val Cys Ser Thr Ala Ala Arg Ser Ser Met Lys Val Thr Arg Ser  
 260 265 270  
 Cys Ala Ser Ala Thr Ser Leu Gln Tyr Leu Cys Cys His Arg Leu  
 275 280 285  
 Arg Gln Leu Arg Pro Asp Ser Gly Asp Thr Leu Glu Gly Leu Pro  
 290 295 300  
 Leu Pro Pro Gly Leu Lys Gln Val Leu His Asn Lys Leu Gly Trp  
 305 310 315  
 Val Leu Ser Met Ser Cys Ser Arg Arg Lys Ala Pro Val Ser Asp  
 320 325 330  
 Pro Gln Ala Ala Thr Ser Ala His Pro Ser Ser Arg Glu Pro Arg  
 335 340 345  
 Pro Cys Gln Arg Lys Arg Cys Arg Arg Thr  
 350 355

&lt;210&gt; 5

&lt;211&gt; 421

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 3071986

&lt;400&gt; 5

Met Ala Ser Phe Pro Pro Arg Val Asn Glu Lys Glu Ile Val Arg  
 1 5 10 15

Leu Arg Thr Ile Gly Glu Leu Leu Ala Pro Ala Ala Pro Phe Asp  
 20 25 30  
 Lys Lys Cys Gly Arg Glu Asn Trp Thr Val Ala Phe Ala Pro Asp  
 35 40 45  
 Gly Ser Tyr Phe Ala Trp Ser Gln Gly His Arg Thr Val Lys Leu  
 50 55 60  
 Val Pro Trp Ser Gln Cys Leu Gln Asn Phe Leu Leu His Gly Thr  
 65 70 75  
 Lys Asn Val Thr Asn Ser Ser Ser Leu Arg Leu Pro Arg Gln Asn  
 80 85 90  
 Ser Asp Gly Gly Gln Lys Asn Lys Pro Arg Glu His Ile Ile Asp  
 95 100 105  
 Cys Gly Asp Ile Val Trp Ser Leu Ala Phe Gly Ser Ser Val Pro  
 110 115 120  
 Glu Lys Gln Ser Arg Cys Val Asn Ile Glu Trp His Arg Phe Arg  
 125 130 135  
 Phe Gly Gln Asp Gln Leu Leu Leu Ala Thr Gly Leu Asn Asn Gly  
 140 145 150  
 Arg Ile Lys Ile Trp Asp Val Tyr Thr Gly Lys Leu Leu Leu Asn  
 155 160 165  
 Leu Val Asp His Thr Glu Val Val Arg Asp Leu Thr Phe Ala Pro  
 170 175 180  
 Asp Gly Ser Leu Ile Leu Val Ser Ala Ser Arg Asp Lys Thr Leu  
 185 190 195  
 Arg Val Trp Asp Leu Lys Asp Asp Gly Asn Met Met Lys Val Leu  
 200 205 210  
 Arg Gly His Gln Asn Trp Val Tyr Ser Cys Ala Phe Ser Pro Asp  
 215 220 225  
 Ser Ser Met Leu Cys Ser Val Gly Ala Ser Lys Ala Val Phe Leu  
 230 235 240  
 Trp Asn Met Asp Lys Tyr Thr Met Ile Arg Lys Leu Glu Gly His  
 245 250 255  
 His His Asp Val Val Ala Cys Asp Phe Ser Pro Asp Gly Ala Leu  
 260 265 270  
 Leu Ala Thr Ala Ser Tyr Asp Thr Arg Val Tyr Ile Trp Asp Pro  
 275 280 285  
 His Asn Gly Asp Ile Leu Met Glu Phe Gly His Leu Phe Pro Pro  
 290 295 300  
 Pro Thr Pro Ile Phe Ala Gly Gly Ala Asn Asp Arg Trp Val Arg  
 305 310 315  
 Ser Val Ser Phe Ser His Asp Gly Leu His Val Ala Ser Leu Ala  
 320 325 330  
 Asp Asp Lys Met Val Arg Phe Trp Arg Ile Asp Glu Asp Tyr Pro  
 335 340 345  
 Val Gln Val Ala Pro Leu Ser Asn Gly Leu Cys Cys Ala Phe Ser  
 350 355 360  
 Thr Asp Gly Ser Val Leu Ala Ala Gly Thr His Asp Gly Ser Val  
 365 370 375  
 Tyr Phe Trp Ala Thr Pro Arg Gln Val Pro Ser Leu Gln His Leu  
 380 385 390  
 Cys Arg Met Ser Ile Arg Arg Val Met Pro Thr Gln Glu Val Gln  
 395 400 405  
 Glu Leu Pro Ile Pro Ser Lys Leu Leu Glu Phe Leu Ser Tyr Arg  
 410 415 420  
 Ile

<210> 6  
 <211> 278  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 3484619

<400> 6  
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 Phe Trp Val Glu Arg Thr Pro Val His Glu Ala Ala Gln Arg Gly  
 20 25 30  
 Glu Ser Leu Gln Leu Gln Gln Leu Ile Glu Ser Gly Ala Cys Val  
 35 40 45  
 Asn Gln Val Thr Val Asp Ser Ile Thr Pro Leu His Ala Ala Ser  
 50 55 60  
 Leu Gln Gly Gln Ala Arg Cys Val Gln Leu Leu Leu Ala Ala Gly  
 65 70 75  
 Ala Gln Val Asp Ala Arg Asn Ile Asp Gly Ser Thr Pro Leu Cys  
 80 85 90  
 Asp Ala Cys Ala Ser Gly Ser Ile Glu Cys Val Lys Leu Leu Leu  
 95 100 105  
 Ser Tyr Gly Ala Lys Val Asn Pro Pro Leu Tyr Thr Ala Ser Pro  
 110 115 120  
 Leu His Glu Ala Cys Met Ser Gly Ser Ser Glu Cys Val Arg Leu  
 125 130 135  
 Leu Ile Asp Val Gly Ala Asn Leu Glu Ala His Asp Cys His Phe  
 140 145 150  
 Gly Thr Pro Leu His Val Ala Cys Ala Arg Glu His Leu Asp Cys  
 155 160 165  
 Val Lys Val Leu Leu Asn Ala Gly Ala Asn Val Asn Ala Ala Lys  
 170 175 180  
 Leu His Glu Thr Ala Leu His His Ala Ala Lys Val Lys Asn Val  
 185 190 195  
 Asp Leu Ile Glu Met Leu Ile Glu Phe Gly Gly Asn Ile Tyr Ala  
 200 205 210  
 Arg Asp Asn Arg Gly Lys Lys Pro Ser Asp Tyr Thr Trp Ser Ser  
 215 220 225  
 Ser Ala Pro Ala Lys Cys Phe Glu Tyr Tyr Glu Lys Thr Pro Leu  
 230 235 240  
 Thr Leu Ser Gln Leu Cys Arg Val Asn Leu Arg Lys Ala Thr Gly  
 245 250 255  
 Val Arg Gly Leu Glu Lys Ile Ala Lys Leu Asn Ile Pro Pro Arg  
 260 265 270  
 Leu Ile Asp Tyr Leu Ser Tyr Asn  
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<210> 7  
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 <212> PRT  
 <213> Homo sapiens

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<400> 8
Met Ala Thr Gln Ile Ser Thr Arg Gly Ser Gln Cys Thr Ile Gly
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Gln Glu Glu Tyr Ser Leu Tyr Ser Ser Leu Ser Glu Asp Glu Leu 30  
 20 25  
 Val Gln Met Ala Ile Glu Gln Ser Leu Ala Asp Lys Thr Arg Gly 45  
 35 40  
 Pro Thr Thr Ala Glu Ala Thr Ala Ser Ala Cys Thr Asn Arg Gln 60  
 50 55  
 Pro Ala His Phe Tyr Pro Trp Thr Arg Ser Thr Ala Pro Pro Glu 75  
 65 70  
 Ser Ser Pro Ala Arg Ala Pro Met Gly Leu Phe Gln Gly Val Met 90  
 80 85  
 Gln Lys Tyr Ser Ser Ser Leu Phe Lys Thr Ser Gln Leu Ala Pro 105  
 95 100  
 Ala Asp Pro Leu Ile Lys Ala Ile Lys Asp Gly Asp Glu Glu Ala 120  
 110 115  
 Leu Lys Thr Met Ile Lys Glu Gly Lys Asn Leu Ala Glu Pro Asn 135  
 125 130  
 Lys Glu Gly Trp Leu Pro Leu His Glu Ala Ala Tyr Tyr Gly Gln 150  
 140 145  
 Val Gly Cys Leu Lys Val Leu Gln Arg Ala Tyr Pro Gly Thr Ile 165  
 155 160  
 Asp Gln Arg Thr Leu Gln Glu Glu Thr Ala Val Tyr Leu Ala Thr 180  
 170 175  
 Cys Arg Gly His Leu Asp Cys Leu Leu Ser Leu Leu Gln Ala Gly 195  
 185 190  
 Ala Glu Pro Asp Ile Ser Asn Lys Ser Arg Glu Thr Pro Leu Tyr 210  
 200 205  
 Lys Ala Cys Glu Arg Lys Asn Ala Glu Ala Val Lys Ile Leu Val 225  
 215 220  
 Gln His Asn Ala Asp Thr Asn His Arg Cys Asn Arg Gly Trp Thr 240  
 230 235  
 Ala Leu His Glu Ser Val Ser Arg Asn Asp Leu Glu Val Met Gln 255  
 245 250  
 Ile Leu Val Ser Gly Gly Ala Lys Val Glu Ser Lys Asn Ala Tyr 270  
 260 265  
 Gly Ile Thr Pro Leu Phe Val Ala Ala Gln Ser Gly Gln Leu Glu 285  
 275 280  
 Ala Leu Arg Phe Leu Ala Lys Tyr Gly Ala Asp Ile Asn Thr Gln 300  
 290 295  
 Ala Ser Asp Asn Ala Ser Ala Leu Tyr Glu Ala Cys Lys Asn Glu 315  
 305 310  
 His Glu Glu Val Val Glu Phe Leu Leu Ser Gln Gly Ala Asp Ala 330  
 320 325  
 Asn Lys Thr Asn Lys Asp Gly Leu Leu Pro Leu His Ile Ala Ser 345  
 335 340  
 Lys Lys Gly Asn Tyr Arg Ile Val Gln Met Leu Leu Pro Val Thr 360  
 350 355  
 Ser Arg Thr Arg Ile Arg Arg Ser Gly Val Ser Pro Leu His Leu 375  
 365 370  
 Ala Ala Glu Arg Asn His Asp Glu Val Leu Glu Ala Leu Leu Ser 390  
 380 385  
 Ala Arg Phe Asp Val Asn Thr Pro Leu Ala Pro Glu Arg Ala Arg 405  
 395 400  
 Leu Tyr Glu Asp Arg Arg Thr Ser Ala Leu Tyr Phe Ala Val Val 420  
 410 415  
 Asn Asn Asn Val Tyr Ala Thr Glu Leu Leu Leu Gln His Gly Ala 435  
 425 430  
 Asp Pro Asn Arg Asp Val Ile Ser Pro Leu Leu Val Ala Ile Arg

440 445 450  
 His Gly Cys Leu Arg Thr Met Gln Leu Leu Leu Asp His Gly Ala  
 455 460 465  
 Asn Ile Asp Ala Tyr Ile Ala Thr His Pro Thr Ala Phe Pro Ala  
 470 475 480  
 Thr Ile Met Phe Ala Met Lys Cys Leu Ser Leu Leu Lys Phe Leu  
 485 490 495  
 Met Asp Leu Gly Cys Asp Gly Glu Pro Cys Phe Ser Cys Leu Tyr  
 500 505 510  
 Gly Asn Gly Pro His Pro Pro Ala Pro Gln Pro Ser Ser Arg Phe  
 515 520 525  
 Asn Asp Ala Pro Ala Ala Asp Lys Glu Pro Ser Val Val Gln Phe  
 530 535 540  
 Cys Glu Phe Val Ser Ala Pro Glu Val Ser Arg Trp Ala Gly Pro  
 545 550 555  
 Ile Ile Asp Val Leu Leu Asp Tyr Val Gly Asn Val Gln Leu Cys  
 560 565 570  
 Ser Arg Leu Lys Glu His Ile Asp Ser Phe Glu Asp Trp Ala Val  
 575 580 585  
 Ile Lys Glu Lys Ala Glu Pro Pro Arg Pro Leu Ala His Leu Cys  
 590 595 600  
 Arg Leu Arg Val Arg Lys Ala Ile Gly Lys Tyr Arg Ile Lys Leu  
 605 610 615  
 Leu Asp Thr Leu Pro Leu Pro Gly Arg Leu Ile Arg Tyr Leu Lys  
 620 625 630  
 Tyr Glu Asn Thr Gln  
 635

<210> 9  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte clone 1759763

<400> 9  
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 Leu Ala Ala Arg Glu Gly Asn Val Lys Val Leu Arg Lys Leu Leu  
 20 25 30  
 Lys Lys Gly Arg Ser Val Asp Val Ala Asp Asn Arg Gly Trp Met  
 35 40 45  
 Pro Ile His Glu Ala Ala Tyr His Asn Ser Val Glu Cys Leu Gln  
 50 55 60  
 Met Leu Ile Asn Ala Asp Ser Ser Glu Asn Tyr Ile Lys Met Lys  
 65 70 75  
 Thr Phe Glu Gly Phe Cys Ala Leu His Leu Ala Ala Ser Gln Gly  
 80 85 90  
 His Trp Lys Ile Val Gln Ile Leu Leu Glu Ala Gly Ala Asp Pro  
 95 100 105  
 Asn Ala Thr Thr Leu Glu Glu Thr Thr Pro Leu Phe Leu Ala Val  
 110 115 120

Glu Asn Gly Gln Ile Asp Val Leu Arg Leu Leu Leu Gln His Gly  
 125 130 135  
 Ala Asn Val Asn Gly Ser His Ser Met Cys Gly Trp Asn Ser Leu  
 140 145 150  
 His Gln Ala Ser Phe Gln Glu Asn Ala Glu Ile Ile Lys Leu Leu  
 155 160 165  
 Leu Arg Lys Gly Ala Asn Lys Glu Cys Gln Asp Asp Phe Gly Ile  
 170 175 180  
 Thr Pro Leu Phe Val Ala Ala Gln Tyr Gly Lys Leu Glu Ser Leu  
 185 190 195  
 Ser Ile Leu Ile Ser Ser Gly Ala Asn Val Asn Cys Gln Ala Leu  
 200 205 210  
 Asp Lys Ala Thr Pro Leu Phe Ile Ala Ala Gln Glu Gly His Thr  
 215 220 225  
 Lys Cys Val Glu Leu Leu Leu Ser Ser Gly Ala Asp Pro Asp Leu  
 230 235 240  
 Tyr Cys Asn Glu Asp Ser Trp Gln Leu Pro Ile His Ala Ala Ala  
 245 250 255  
 Gln Met Gly His Thr Lys Ile Leu Asp Leu Leu Ile Pro Leu Thr  
 260 265 270  
 Asn Arg Ala Cys Asp Thr Gly Leu Asn Lys Val Ser Pro Val Tyr  
 275 280 285  
 Ser Ala Val Phe Gly Gly His Glu Asp Cys Leu Glu Ile Leu Leu  
 290 295 300  
 Arg Asn Gly Tyr Ser Pro Asp Ala Gln Ala Cys Leu Val Phe Gly  
 305 310 315  
 Phe Ser Ser Pro Val Cys Met Ala Phe Gln Lys Asp Cys Glu Phe  
 320 325 330  
 Phe Gly Ile Val Asn Ile Leu Leu Lys Tyr Gly Ala Gln Ile Asn  
 335 340 345  
 Glu Leu His Leu Ala Tyr Cys Leu Lys Tyr Glu Lys Phe Ser Ile  
 350 355 360  
 Phe Arg Tyr Phe Leu Arg Lys Gly Cys Ser Leu Gly Pro Trp Asn  
 365 370 375  
 His Ile Tyr Glu Phe Val Asn His Ala Ile Lys Ala Gln Ala Lys  
 380 385 390  
 Tyr Lys Glu Trp Leu Pro His Leu Leu Val Ala Gly Phe Asp Pro  
 395 400 405  
 Leu Ile Leu Leu Cys Asn Ser Trp Ile Asp Ser Val Ser Ile Asp  
 410 415 420  
 Thr Leu Ile Phe Thr Leu Glu Phe Thr Asn Trp Lys Thr Leu Ala  
 425 430 435  
 Pro Ala Val Glu Arg Met Leu Ser Ala Arg Ala Ser Asn Ala Trp  
 440 445 450  
 Ile Leu Gln Gln His Ile Ala Thr Val Pro Ser Leu Thr His Leu  
 455 460 465  
 Cys Arg Leu Glu Ile Arg Ser Ser Leu Lys Ser Glu Arg Leu Arg  
 470 475 480  
 Ser Asp Ser Tyr Ile Ser Gln Leu Pro Leu Pro Arg Ser Leu His  
 485 490 495  
 Asn Tyr Leu Leu Tyr Glu Asp Val Leu Arg Met Tyr Glu Val Pro  
 500 505 510  
 Glu Leu Ala Ala Ile Gln Asp Gly  
 515

<210> 10  
 <211> 1117  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1758450

<400> 10  
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 tgtgaacacc ttgagccttg atgagttcca gtatgtggta tattatgcag agcattcaga 120  
 gcaaatactc tctctccgag cgcttaatcc gaacaattgc tgccatccgt tcttcccac 180  
 atgataatgt agaggacctc atcagagggg gaggagatgt gaactgcact catggcacac 240  
 tgaagccctt gcactgtgcc tgtatgggtg cagatgctga ctgtgtggag ttacttctgg 300  
 aaaaaggagc cgagggtgaat gccctggatg ggtataaccg aacagccctc cactatgcag 360  
 cagagaaaaga tgaggcttgt gtggagggtc tattggagta tgggtgcaaac cccaatgctt 420  
 tggatggcaa cagagatacc ccacttcact gggcagcctt taagaacaat gctgagtgtg 480  
 tgccgggctct cctagagagc ggggcctctg tcaatgccct ggattacaac aatgatacac 540  
 cgctcagctg ggctgccatg aagggaatc ttgagagtgt cagcatcctt ctggattatg 600  
 gcgcagaggt cagagtcac cactaatag gccagacacc catctcccgc ctgggtggctc 660  
 tgctagttag gggacttggg acagagaaa aggactcttg cttttagctc ctccacagag 720  
 ctgtttggaca ctttgaattg aggaataatg gcaccatgcc acgagaggtg gccagagacc 780  
 cgcagctatg tgaaaaactg actgttctgt gctcagctcc aggaactcta aaaacactcg 840  
 ctgcgtatgc cgtgcgccgt agcctgggac tccagtatct ccccgatgca gtgaagggcc 900  
 ttccactgcc agcttctttg aaggaatacc gtgtactttt agaatagccg gagaagatgt 960  
 ttgcaccatc gtgcaggcag ctctgggtga ggtgtccct gcagtactcc ttgtcacaga 1020  
 aaacagaaaa acagttgttt cctgatgtgt gggttataga ttctgaagca acatgtcaca 1080  
 acaataacct gcatagcaac tcccctttcc aaacaaa 1117

<210> 11  
 <211> 2589  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte clone 1834242

<400> 11  
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 agcgctcgag ttggggagga accgctgctg tggccgaact caagcccggg cggccccacc 120  
 agtttgattg gaagtccagc tgtgaaacct ggagcgtcgc cttctcccga gatggctcct 180  
 ggtttgcttg gtctcaagga cactgcatcg tcaaaactgat cccctggccg ttggaggagc 240  
 agttcatccc taaagggttt gaagccaaaa gccgaagtag caaaaatgag acgaaaagggc 300  
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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte clone 2547840

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&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1722533

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